

INFORMATION REPORT

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SUBJECT

Background Information on the Seismographic Section of the SMV

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SOURCE

1. Adolf Macek was chief of Basis II of the Soviet Oil Administration on Moellwald Platz in Vienna IV. Basis II was in charge of seismographic work and made seismograms which had to be paid for by the enterprises executing drilling operations. Two seismograms had to be made per each 700 meters of drilling, and 25,000 Austrian Schillings were charged for each seismogram. By April 1952, the Soviet Oil Administration had made drillings totaling 36,000 meters. Drilling operations met with great difficulties.
2. The small number of bore holes necessitated a new method for the execution of seismic measurements, i.e. the utilization of the so-called "Sternschiessen" method (a type of blasting operation). However, this method requires an excessive consumption of explosives; moreover houses in the vicinity of bore holes are likely to be damaged by these blasting operations. For this reason, a combined method of making bore holes has been developed for use in the vicinity of habitations. This method consists in the drilling of a bore hole after the conventional method down to a certain depth before the new blasting method will be applied. Between May 1952 and August 1953, a total of 60,000 running meters of bore holes have been made after this combined method. The maximum output reached in one given month by the Basis II organization was 4,900 meters of bore holes. A total of 14 seismograms were required for these operations.
3. All seismic stations of the Soviet Oil Administration were equipped with German or Soviet machinery. Two mobile derricks working after the MEG and Diamond systems were available to Basis II. The "Seismik II" group of Basis II carried out drilling operations in mineral oil fields near Huehlberg (P 49/S 64/65), Zistersdorf (P 49/S 63), Rabensburg (P 49/S 74), Bernhardstal (P 49/S 75), Marchegg (P 49/S 70), Lassee (P 49/X 79), Untersiebenbrunn and Obersiebenbrunn (P 49/S 60), Haringsee (P 49/X 79), Loimersdorf (P 49/X 79), Fuxenbigl (P 49/X 69), Gaensendorf (P 49/S 61), Raasdorf (P 49/X 59), Engelhartstetten (P 49/X 79), Ringelsdorf (P 49/S 73), Hohenau (P 49/S 47), Angern (P 49/S 71), in Lower Austria.
4. The seismograms prepared by Basis II and the geological surveys made by other agencies were generally in agreement with each other.
5. In mid-August 1953, the seismic department was deactivated, allegedly because of a surplus of oil in Austria. The large margin between the selling price for mineral oil, which is 1.5 Austrian Schillings per liter, and the price of 4.5 Schillings per liter of gasoline charged by the Austrian government led to the accumulation of large gasoline stocks which cannot be sold.

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